



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

application of

Confirmation No. 5466

Alfred SCHAUFLER

Docket No. 2002-0094A

Serial No. 10/054,889

Group Art Unit 1762

Filed January 25, 2002

ATTN: BOX MISSING PARTS

A SUSPENSION COMPRISING FIBRINOGEN, THROMBIN AND ALCOHOL, A METHOD FOR PREPARING SUCH A SUSPENSION, A METHOD FOR COATING A CARRIER WITH SUCH A SUSPENSION, A METHOD FOR DRYING A COATING OF A CARRIER, AND A COATED COLLAGEN SPONGE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents, Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of [X] the references listed on attached form PTO-1449 and/or [] the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No.

1a. [X] This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. [] This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

- (1) [] the certification of paragraph 2 below is provided, or
- (2) [] the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.
- 1c. [] This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

- 2. It is hereby certified
 - a. [] that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
 - b. [] that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.
- 3. [] Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

- 4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
 - a. [X] a full or partial English language translation submitted herewith,
 - b. [] a foreign patent office search report (in the English language) submitted herewith,
 - c. [X] the concise explanation contained in the specification of the present application at page 3,
 - d. [X] the concise explanation set forth in the attached English language abstract,
 - e. [X] the concise explanation set forth below or on a separate sheet attached to the reference: Reference EP 0059265 corresponds to U.S. 4,453,939
- 5. [] A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Alfred SCHAUFLER

Nils E. Pedersen

Registration No. 33,145 Attorney for Applicant

NEP/krl Washington, D.C. 20006-1021 Telephone (202) 721-8200 Facsimile (202) 721-8250 April 22, 2002

NUMBER	Sheet 1 of 2							1				
PATENT AND TRADEMARK OFFICE LIST OF REPERENCES CITED BY APPLICANTIS) (fide several directs of microscopy) Date Submitted to PTO: April 22, 2002 U.S. PATENT DOCUMENTS **EXAMINER** AA	FORM PTO 1449 (modified)											
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AB 4,626,266 12/1986 Lubbs AC 5,019,087 5/1991 Nichols AD 5,618,551 4/1997 Tardy et al. AE 5,660,857 8/1999 Hagedorn et al. AF 5,942,278 8/1999 Hagedorn et al. AG 6,177,126 1/2001 Hagedorn et al. AH AI AI POREIGN PATENT DOCUMENTS NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATIO VES AJ 0217917 B1 4/1987 EP AK 0578823 A1 1/1994 EP AL 0059265 9/1982 EP AM 0664132 A1 7/1995 EP AM 0664132 B1 7/1995 EP AN 0664132 B1 7/1995 EP AN 0664132 B1 7/1995 EP AN OCCUMENTIS) Ithichiding Author, Title, Date, Penihent Pages, Etc.) AO Chemical Abstracts, Columbus, Ohio, U.S., Vol. 98, June 13, 1983, No. 24. AP "Mechanisms in blood coagulation, fibrinolysis and the complement system", Cambridge University pres 1991; Halkier, Torben: Chapter 5: Activation of prothrombin, pgs. 54-70.				DATE	NA	NAME CLASS			SUBCLASS		FILING DATE IF APPROPRIATE	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.